

Application No.: 09/729,248

Docket No.: 2336-057

AMENDMENTS TO THE SPECIFICATION:

On page 4 before line 3, please insert the following new paragraphs:

--In accordance with an aspect of the present invention, a channel module apparatus for a cable set-top box comprises a switching block having a first signal distributor and a second signal distributor, wherein the first signal distributor is arranged to distribute a signal received via a radio frequency input connector as a first signal for outputting to a cable modem tuner and as a second signal, and is arranged to transfer a signal transmitted from the cable modem tuner to the radio frequency input connector, and the second signal distributor is arranged to distribute the second signal as a third signal for outputting to a television and as a fourth signal; a tuner block for tuning to the fourth signal distributed by the second signal distributor; a channel demodulation block for demodulating an output signal from said tuner block into audio and video signals; and a radio frequency modulation block for modulating the audio and video signals from said channel demodulation block into a television signal.

In accordance with another aspect of the present invention, a channel module apparatus for a cable set-top box comprises a radio frequency modulation block for modulating audio and video signals into a television signal; and a switching block having a first signal distributor, a second signal distributor, and a mixer; wherein the first signal distributor is arranged to distribute a signal received via a radio frequency input connector as a first signal for outputting to a cable modem tuner and as a second signal, and is arranged to transfer a signal transmitted from the cable modem tuner to the radio frequency input connector; the second signal distributor is arranged to distribute the second signal as a third signal for outputting to a television and as a fourth signal; and the mixer is arranged to mix the third signal from the second signal distributor and a radio frequency modulation signal from the radio frequency modulation block.

In accordance with a further aspect of the present invention, a channel module apparatus for a cable set-top box comprises a radio frequency input connector connectable to an external cable; a cable connector connectable to an external cable modem tuner; a tuner connection terminal

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connectable to a tuner of the cable set-top box; a radio frequency output connector connectable to a television; a switching block having a first signal distributor and a second signal distributor, wherein the first signal distributor has an input connected to the radio frequency input connector, a first output connected to the cable connector and a second output, said first signal distributor is configured to distribute a signal received via the radio frequency input connector as a first signal and as a second signal at the first and second outputs, respectively, said first signal distributor is further configured to transfer a signal transmitted, by the cable modem tuner, from the cable connector to the radio frequency input connector, the second signal distributor has an input connected to the second output of said first signal distributor, a third output, and a fourth output connected to the tuner connection terminal, and the second signal distributor is configured to distribute the second signal as a third signal and as a fourth signal at the third and fourth outputs, respectively; a tuner block coupled to the fourth output of the second signal distributor for receiving and tuning to the fourth signal distributed by the second signal distributor; a channel demodulation block coupled to the tuner block for receiving and demodulating an output signal from said tuner block into audio and video signals; and a radio frequency modulation block coupled to said channel demodulation block for receiving and modulating the audio and video signals from said channel demodulation block into a television signal to be outputted to the television.--

Please delete the paragraph beginning on page 4 at line 3 in its entirety.

Please delete the paragraph beginning on page 4 at line 15 in its entirety.

Please delete the paragraph beginning on page 4 at line 24 in its entirety.

Please amend the paragraph on page 5, beginning at line 14 as follows:

The above and other objects, features and advantages of the present invention will be more clearly understood from the following detailed description, provided by way of example only, and

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taken in conjunction with the accompanying drawings, in which:

Please amend the paragraph on page 11, beginning at line 27 as follows:

Further, the present invention provides a channel module apparatus for a cable set-top box, wherein a switching block, a radio frequency modulation block, a tuner block and a channel demodulation block in the cable set-top box are contained in a single chassis in the form of one package and a first cable connector is provided in the chassis as a connector for a cable modem tuner. Therefore, the cable set-top box can readily be connected to the cable modem tuner, thereby enabling two-way communication.

Abstract:

Please replace the current Abstract with the following replacement/new Abstract